



# भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित  
PUBLISHED BY AUTHORITY

सं० 26]

नई दिल्ली, शनिवार, जून 26, 1993 (आषाढ़ 5, 1915)

No. 26]

NEW DELHI, SATURDAY, JUNE 26, 1993 (ASADHA 5, 1915)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके  
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

## भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस  
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

### THE PATENT OFFICE PATENTS AND DESIGNS

Calcutta, the 26th June 1993

#### ADDRESS AND JURISDICTION OF OFFICES OF THE PATENT OFFICE

The Patent Office has its Head Office at Calcutta and Branch Offices at Bombay, Delhi and Madras having territorial Jurisdiction on a zonal basis as shown below :—

Patent Office Branch,  
Todi Estates, III Floor,  
Lower Parel (West), Bombay-400 013.

The States of Gujarat, Maharashtra and Madhya Pradesh and the Union Territories of Goa, Daman and Diu and Dadra and Nagar Haveli.

Telegraphic address "PATOFFICE".

Patent Office Branch,  
Unit No. 401 to 405, III Floor,  
Municipal Market Building,  
Saraswati Marg, Karol Bagh,  
New Delhi-110 005.

The States of Haryana, Himachal Pradesh, Jammu and Kashmir, Punjab, Rajasthan and Uttar Pradesh and the Union Territories of Chandigarh and Delhi.

Telegraphic address "PATENTOFIS".

1—127 31/93

Patent Office Branch,  
61, Wallajah Road,  
Madras-600 002.

The States of Andhra Pradesh, Karnataka, Kerala, Tamilnadu and the Union Territories of Pondicherry, Laccadive, Minicoy and Aminidivi Islands.

Telegraphic address "PATENTOFIS".

Patent Office, (Head Office),  
"NIZAM PALACE", 2nd M.S.O. Building,  
5th, 6th and 7th Floor,  
234/4, Acharya Jagadish Bose Road,  
Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS".

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

**Fees :—**The fees may either be paid in cash or may be sent by Money Order or payable to the Controller at the appropriate Offices or by bank draft or cheque, payable to the Controller drawn on a scheduled bank at the place where the appropriate office is situated.

## पेटेंट कार्यालय

## एकत्र तथा अभिकल्प

कलकत्ता, दिनांक 26 जून 1993

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोडी इस्टेट,  
तीसरा तल, लोअर परले (पश्चिम),  
बम्बई-400013 ।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य  
क्षेत्र एवं संघ शासित क्षेत्र गोआ, दमन तथा  
दीव एवं दादरा और नगर हवेली ।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय शाखा,  
एकत्र सं 401 से 405, तीसरा तल,  
नगरपालिका बाजार भवन,  
मरुस्वती मार्ग, करोल बाग,  
नई दिल्ली-110005 ।

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर,  
पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों  
एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली ।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय शाखा,  
61, बालासाह रोड,  
मद्रास-600002 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य  
क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप,  
मिन्निकाय तथा एमिनिदिव द्वीप ।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय (प्रधान कार्यालय),  
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय,  
भवन 5, 6 तथा 7वां तल,  
234/4, आचार्य जगदीश बोस रोड,  
कलकत्ता-700020 ।

भारत का अवशेष क्षेत्र ।

तार पता—“पेटेंट्स”

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में जपे-  
क्षित सभी आवेदन पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट  
कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे।

शुल्क :—शुल्कों की अवयवी या तो नकद की जाएगी अथवा  
उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा  
ठेका आदेश या जहां उपयुक्त कार्यालय अवस्थित है; उस स्थान  
के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट  
अथवा चेक द्वारा की जा सकती है ।

Calcutta, the 26th June 1993

APPLICATION FOR PATENTS FILED AT THE HEAD  
OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD,  
CALCUTTA-20

The dates shown in the crescent branch are the dates  
claimed under section 135, of the Patents Act, 1970.

14th May 1993

274/Cal/93. Neyrpic. Amorphous alloy-based metallic  
finishes having wear and corrosion resistance, and  
processes for obtaining same.

17th May 1993

275/Cal/93. Norton Healthcare Limited. Dose indicating  
device. [Convention No. 9211436.2 dated  
29-5-92; Great Britain.]

276/Cal/93. Samsung Corning Co. Ltd. Apparatus for  
shearing a gob.

277/Cal/93. Hoeganaes Corporation. Method for preparing  
metallurgical powder containing an organic lub-  
ricant.

278/Cal/93. Diablo Research Corporation Electroless dis-  
charge lamp containing push-pull class amplifier  
and bifilar coil.

279/Cal/93. Daw Technologies, Inc. Method and device  
for reducing vortices at a cleanroom ceiling.

280/Cal/93. The Mead Corporation. Bottle carrier and  
method of forming and applying the carrier.  
[Convention No. 9210604.6 dated 18-5-92; Great  
Britain.]

281/Cal/93. Hans Oetiker Ag Maschinen-und Apparatefab-  
rik. Reusable earless clamp structure.

18th May 1993

282/Cal/93. Med-Plastic Ag. Injection device for single  
use.

APPLICATIONS FOR PATENTS FILED AT THE  
PATENT OFFICE BRANCH, 61, WALLAJAH ROAD,  
MADRAS-600 002

3rd May 1993

295/MAS/93. Sree Chitra Tirunal Institute for Medical  
Sciences & Technology. Visible light cured den-  
tal composition and process for preparation of  
same.

296/MAS/93. Caterpillar Inc. Method and apparatus for  
optimizing breathing utilizing unit valve actua-  
tion.

297/MAS/93. Lonza Ltd. Process for the preparation of 5-  
chloroxindole.

4th May 1993

298/MAS/93. Intermart USA Corporation. Method and  
apparatus for forming a floor mat.

Gerhard Spangler.  
ing to a tie.

Andrew M. Homola.  
containing particles of  
capable of lodging on a  
and the resulting products.

orporation. Piston rings, method of  
ne piston rings and piston assembly  
piston rings.

5th May 1993

Widia GmbH. Cutting tool inserts.

Widia GmbH. Clamping arrange-  
connecting tool head and toolholder in  
ols.

Inc. Welding stud and method of  
same.

all Corporation. Production of sterile milk  
ough dynamic microfiltration.

3. Cornell Research Foundation, Inc. hCC-hLH  
receptor and hCC-hLH receptor-hLH complex as  
antigens, anti-bodies thereto and contraceptive  
vaccine. (May 6, 1992; British).

/MAS/93. Institut Francais Du Petrole. A process for  
the recovery of mercury and absenic in a hydro-  
carbon cut.

308/MAS/93. James Christopher Carne; Charles Nicholas  
Carne; David Davies and Laurence Ross Petrie.  
(May 6, 1992; Great Britain).

7th May 1993

309/MAS/93. Pavuluri Rama Lakshmana Rao. Circuit for  
automatic automobile head lamp dipping.

310/MAS/93. Maschinenfabrik Rieter AG. Conveying  
vehicle for laps.

311/MAS/93. A B Dick Company. Encapsulated magnetic  
particles, pigments and carbon black, composi-  
tions and methods related thereto.

312/MAS/93. State Electricity Commission of Victoria.  
Integrated carbonaceous fuel drying and gasifica-  
tion process and apparatus. (May 8, 1992; Aus-  
tralia).

313/MAS/93. Bandgap Technology Corporation. Vertical-  
cavity surface-emitting lasers with intra-cavity  
structures.

10th May 1993

314/MAS/93. Biomedical Engineering Development Center.  
A high efficiency external counter pulsation ap-  
paratus and method for controlling same.

11th May 1993

315/MAS/93. Horizon Calenders. Horizon Calenders for  
5000 years—II Part.

316/MAS/93. Ernest J. Harson, Jr. convertible railway-  
roadway vehicle and method of use.

317/MAS/93. Caterpillar Inc. Engine braking utilizing  
unit valve actuation.

318/MAS/93. BASF Aktiengesellschaft. Novel peptides,  
the preparation and use thereof.

319/MAS/93. Caterpillar Inc. A method and apparatus for  
starting an engine utilizing unit valve actuation.

12th May 1993

320/MAS/93. Turbine Blading Limited. Turbine Blade Re-  
pair. May 12, 1992; Great Britain.

321/MAS/93. Quarella s.r.l. Improved process for the pro-  
duction of concrete tiles.

322/MAS/93. Hoogovens Technical Services Canada, Inc.  
Apparatus for opening and closing a tapole of a  
metallurgical furnace.

13th May 1993

323/MAS/93. IDL Chemicals Limited. Emulsion explosive  
booster.

324/MAS/93. British-American Tobacco Company Limited.  
Improvements relating to tobacco reconstitution.  
(May 15, 1992; Great Britain).

325/MAS/93. British-American Tobacco Company Limited.  
Improvements relating to tobacco reconstitution.  
May 15, 1992; United Kingdom).

326/MAS/93. British-American Tobacco Company Limited.  
Improvements relating to the extrusion of tobacco  
containing materials. (May 15, 1992; United  
Kingdom).

327/MAS/93. John Crane Inc. Improved Mechanical end  
pace seal system.

328/MAS/93. Maschinenfabrik Rieter AG. A drawroll  
unit. (Divisional to Patent Application No. 393/  
MAS/93).

14th May 1993

329/MAS/93. Krupp Widia GmbH. Process and device for  
hard material coating of substrate bodies.

330/MAS/93. Krupp Widia GmbH. Composite body layer  
and its application.

331/MAS/93. Krupp Widia GmbH. Insert.

332/MAS/93. Hoechst Aktiengesellschaft. Proces for the  
preparation of hydrolysis-stable trivalent phos-  
phorus compounds and their use as stabilizers for  
thermoplastics.

## COMPLETE SPECIFICATIONS ACCEPTED

Notice is hereby given that any person interested in oppos-  
ing the grant of patents on any of the Applications concerned,  
may, at any time within four months of the date of this issue  
or within such further period not exceeding one month apply  
for on Form 14 prescribed under the Patents Rules, 1972 be-  
fore the expiry of the said period of four months, give  
notice to the Controller of Patents at the appropriate office on  
the prescribed Form 15, of such opposition. The written  
statement of opposition should be filed alongwith the said  
notice or within one month of its date as prescribed in Rule  
36 of the Patents Rules, 1972.

The classifications given below in respect of each specifica-  
tion are according to Indian Classification and International  
Classification.

Typed or photo copies of the specifications together with  
photo copies of the drawings, if any, can be supplied by the  
Patent Office, Calcutta or the appropriate Branch Office on  
payment of the prescribed copying charges which may be  
ascertained on application to that office. Photo copying charges  
may be calculated by adding the number of pages in the speci-  
fication and drawing sheets mentioned below against each ac-  
cepted specification and multiplying the same by two to get the  
charges as the copying charges per page are Rs. 2/-.

स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से  
किसी पर पेटेंट अनुदान का विरोध करने के हस्तक्षेप कोई व्यक्ति,

इसके निर्गम की तिथि से चार (4) महीने या अधिक ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकत्र की उपयुक्त कार्यालय को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध सम्बन्धी लिखित दस्तावेज, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में दयाविहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

“प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तरराष्ट्रीय वर्गीकरण के अनुरूप हैं।”

रूपांकन (चित्र आरेखों) की फोटो प्रतियाँ यदि कोई हों, के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता अथवा उपयुक्त शाखा कार्यालय द्वारा विहित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पत्र व्यवहार द्वारा सुनिश्चित करने के उपरान्त उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 2 से गुणा करके (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 2/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

Cl. : 33 D, 108 - C-1

172351

Int. Cl.<sup>4</sup> : C 21 C 5/00.

“PROCESS FOR CONTINUOUSLY MELTING SCRAP AS WELL AS APPARATUS FOR PERFORMING THIS PROCESS IN A STEEL MAKING PROCESS”.

Applicant : VOEST ALPINE STAHL DONAWITZ GESELLSCHAFT M.B.H. OF A-8700 LEOBEN-DONAWITZ, POSTFACH 1, AUSTRIA.

Inventors : (1) LUDWIG VON BOGDANDY, (2) GERHARD MITTER, (3) OTTO KOLLER, (4) LUZIAN POCHMARSKI.

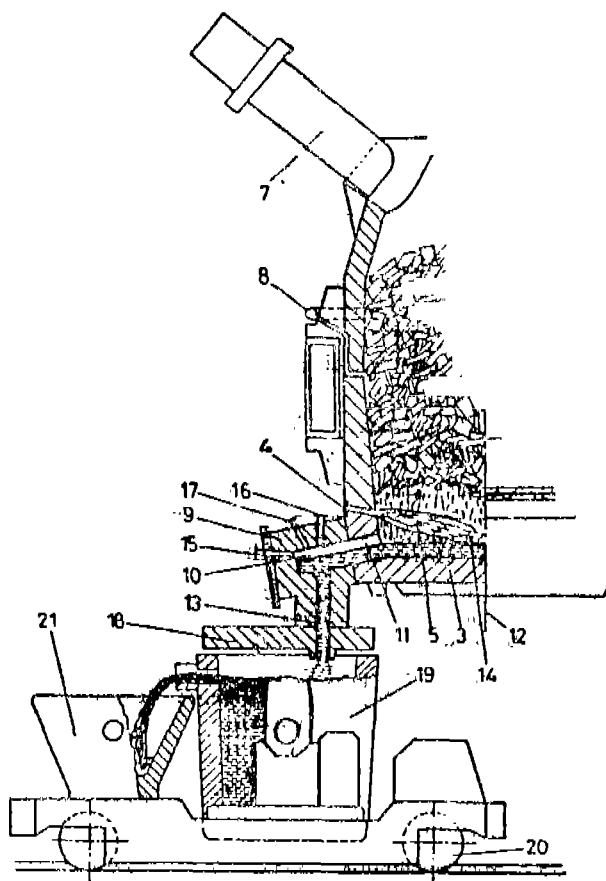
Application No. 995/Cal/1988; filed on 1st December, 1988.

Appropriate office for opposition proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

#### 7 Claims

In the steel making process, the step of continuously melting scrap and/or pig iron within a converter, comprising applying heat to a bottom interior portion of the converter by means of substoichiometric burners arranged substantially in a plane so as to direct flames radially inwardly towards the bottom of the converter; supplying oxygen to the interior of the converter above the plane of the burners to complete combustion; and selectively discharging molten material from the converter to a mobile ladle through a taphole in the converter and a tapping means secured to the converter and positioned between the taphole and the ladle, said selective discharging being accomplished by swiveling the converter about a substantially horizontal axis between positions at which

the level of the molten and above the taphole



Compl. spen. 13 pages.

Drg. 1 sheet

Cl. : 146 A, C.

172352

Int. Cl.<sup>4</sup> : G 01b 7/00, 7/30, 7/31.

“DEVICE FOR DETECTING A PREDETERMINED ANGULAR POSITION OF A ROTARY MEMBER PARTICULARLY THE COMMENCEMENT OF DELIVERY POSITION OF THE DRIVE SHAFT OF A FUEL INJECTION PUMP FOR AN INTERNAL COMBUSTION ENGINE.”

Applicant : ROBERT BOSCH GRBH. OF 7000 STUTTGART 1, POSTFACH 50, FEDERAL REPUBLIC OF GERMANY.

Inventors : (1) HANSJORG FREY, (2) HEINRICH HAMEL, (3) ROLF MÜLLER, (4) ERNST RITTER, (5) REINHARD SCHWARTZ.

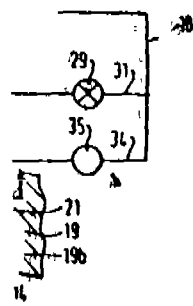
Application No. 536/Cal/82; filed on 13th May 1982.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

#### 12 Claims

A device for ascertaining a predetermined angular position of a rotary member mounted in an associated housing, or of an element rigidly connected to said rotary member, characterized in that said rotary member or said element is provided with an angle marker which co-operates with a signal generator to trigger signals when the rotary member is in an angular position corresponding to or associated with the predetermined angular position, and the signal generator has an indicator housing which is secured so as to be fixed in position relative to the housing of the rotary member and an indicator body which is displaceably guided in the indicator housing, so that, upon approaching the predetermined angu-

ni-  
indicator



ii  
57

Drgns. 2 sheets)

Applicant : ~~MONNE-POULENC~~ CHIMIE DE BASE OF  
25 QUAI PAUL DOUMER, 92408 COURBEVOIE.  
FRANCE.

Inventors : (1) JEAN-PAUL MENTION, (2) JEAN  
Aoustin AND (3) BERNARD WALLON.

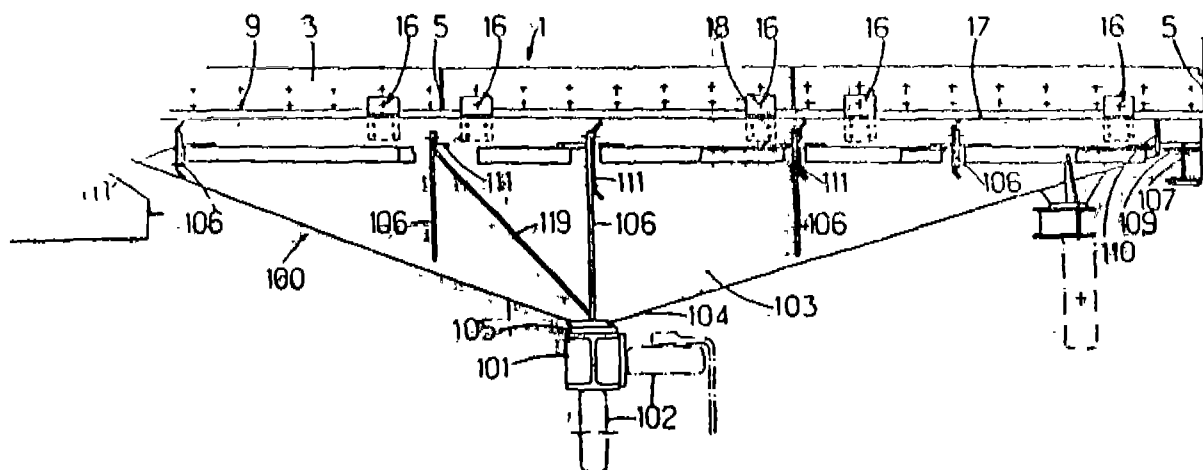
Application No. 169/Cal/83; filed on 14th February 1983.

Appropriate Office for Opposition Proceedings (Rule 4,  
Patent Rule 1972) Patent Office, Calcutta.

33 Claims

A rotary horizontal table type filter, comprising a carrier structure arranged to be driven in rotation by motor means, and a circular horizontal filtration table supported by the carrier structure, characterized in that said table and carrier structure are interconnected by a plurality of connecting means to permit the table to be driven by the carrier structure and to permit relative displacement between the table and the carrier structure at least in the radial direction; and further characterized in that each said connecting means comprises an assembly consisting of a male element and a female element respective ones of said elements being fixed with respect to the table and the carrier structure respectively.

2/13



(Compl. Specn. 31 pages;

Drgns. 3 sheets)

Cl.: 127 H

172354

Int. Cl.: F 16 H, 55/26.

RATCHETING AND THREADED WELL CONNecTOR.

Applicant & Inventors : (1) SAMUEL W. PUTCH OF  
5727 PORTAL, HOUSTON, TEXAS 77096 AND (2) NOR-  
MAN A. NELSON OF 5727 PORTAL, HOUSTON, TEXAS  
77096, BOTH ARE U.S.A.

Application No 293/Cal/1989; filed 17th April 1989.

Appropriate Office for Opposition Proceedings (Rule 4,  
Patent Rule 1972) Patent Office, Calcutta.

4 Claims

A ratcheting and threaded connector for remotely connecting an upper and a lower tubular member in a well, one of which is a male member and the other of which is a female member, comprising,

said lower tubular member having threads for mating with the upper tubular member,

side for coating with the threads on member, coating circumferentially extending shoulders on the upper tubular member and the connector element for engagement when the upper tubular member is rotated relative to the lower tubular member for providing a rigid interconnection,

the area of the coating circumferentially extending shoulders on the upper tubular member and connector element being substantially equal to the coating area between the threads on the lower tubular member and the mating threads on the connector element thereby providing a substantially balanced load distribution between the upper and lower tubular members and allowing the connector element to have a minimum thickness.

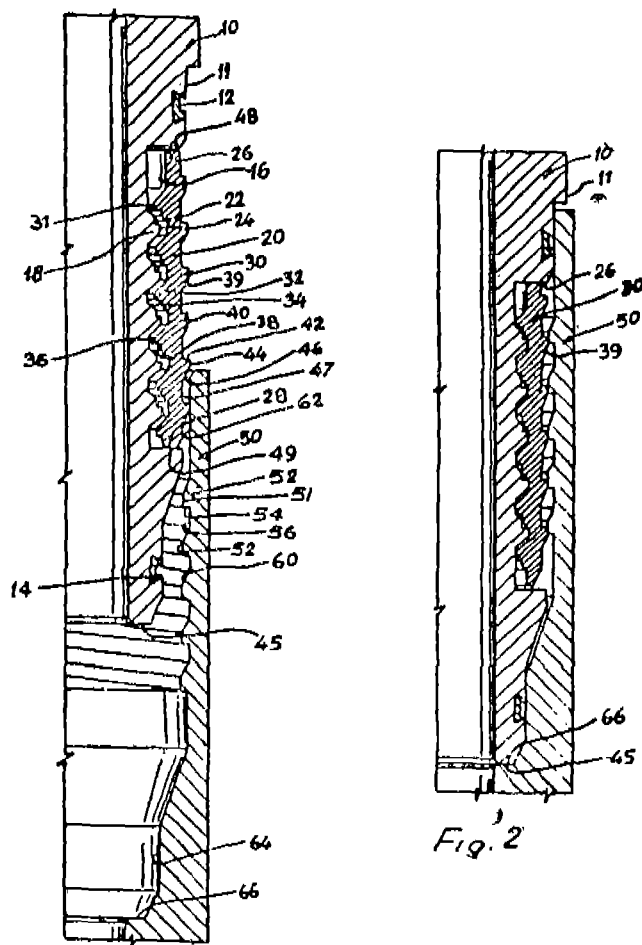


Fig. 1

(Compl. Specn. 16 pages.

Drgns. 4 sheets)

Cl.: 176 E.

172355

Int. Cl.: F 22 B 37/06.

#### ONCE-THROUGH STEAM GENERATOR.

Applicant: SIEMENS AKTIENGESELLSCHAFT OF WITTELSBACHERPLATZ 2, D-8000, MUNCHEN 2, WEST GERMANY.

Inventors: (1) EBERHARD WITTECHOW, AND (2) DR. WOLFGANG KOEHLER.

Application No. 478/Cal/89; filed on 22nd June 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

by  
being lim  
said gas flue,  
or by a lower ed  
gas flue characterised  
(7) of gas flue (2) with  
than 70% of the total  
parts (7; 10) of the said

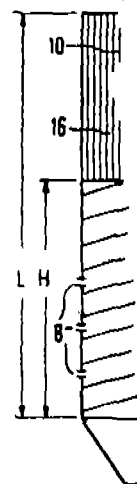


FIG. 1

(Compl. Specn. 13 pages

Cl.: 69 Q.

Int. Cl.: H 01 H 71/04.

#### AN ELECTRIC CIRCUIT BREAKER.

Applicant: WESTINGHOUSE ELECTRIC CORPORATION OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15224, UNITED STATES OF AMERICA.

Inventors: (1) ANDREW JAMES MALE AND (2) MEVIN ALLAN CARRODUS.

Application No. 483/Cal/89; filed on 23rd June 1989

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

#### 3 Claims

An electric circuit breaker comprising an electrical insulating housing, first and second contacts operable between open and closed positions, a releasable mechanism movable when released to a tripped position to effect opening of contacts, a first contact carrying arm movable between open and closed positions of the contacts, and further comprising an auxiliary circuit when the arm is actuated, the auxiliary circuit comprising a microswitch mounted on said frame, an actuating lever pivotally mounted at one end and selectively engageable at the opposite end to a slidable plunger, said arm imparting an actuation to the plunger.

is to cause an energization or de-energization of said micro-switch.

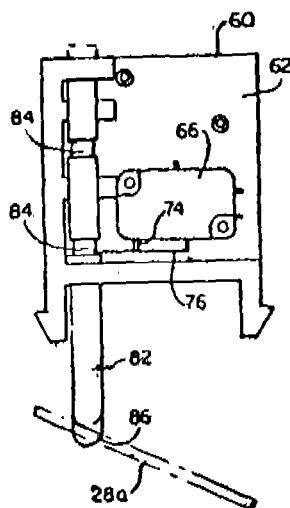


FIG. 2.

— (Compl. Specn. 8 pages.

Drgns. 1 sheet)

CL.: 158 E4 153.

172357

Int. CL.: B 60 B, 17/00.

UNDERFLOOR WHEEL-SET TURNING MACHINE FOR REPROFILING THE WHEEL TYRE CONTOURS OF RAILWAY WHEEL SETS.

Applicant: HOESCH MASCHINENFABRIK DEUTSCH-AND AG. OF BORSIGSTRASSE 22 4600 DORTMUND WEST-GERMANY.

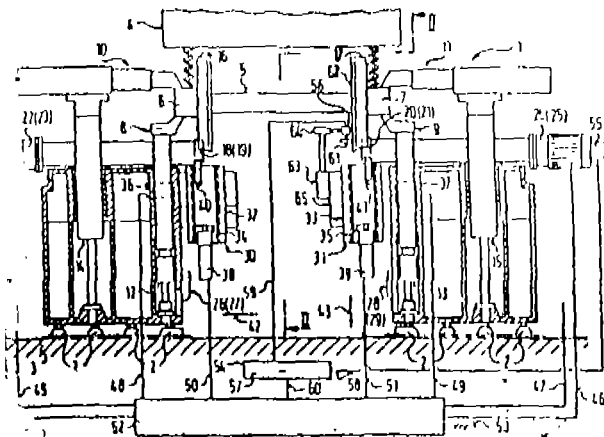
Inventors: (1) DIRK BRINKMANN (2) MANFRED EYER.

Application No. 521/Cal/89; filed on 4th July 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

#### 4 Claims

Underfloor wheel-set turning machine for reprofiling the wheel tyre contours of railway wheel sets comprising four friction rollers, two swivel heads and a machine control, the friction rollers being applicable in pairs to in each case one wheel tyre contours, characterized in that a means (54) is provided for determining the slip occurring between a friction roller (18, 19, 20, 21) and a wheel tyre contour (16, 17) and in dependence upon the slip determined controls and speed rate of the swivel heads (30, 31).



Specn. 8 pages.

Drgns. 2 sheet(s)

CL.: 32 F1

172358

Int. CL.: C 07 C 17/00,

C 07 B 63/00.

PROCESS FOR THE SEPARATION OF A MIXTURE COMPRISING HYDROGEN FLUORIDE AND AT LEAST ONE OF 2, 2-DICHLORO-1, 1, 1-TRIFLUOROETHANE AND 2-CHLORO-1, 1, 1, 2-TETRAFLUOROETHANE AND MINOR AMOUNTS OF HALOGENATED MATERIALS.

Applicant: E.I. DU PONT DE NEMOURS AND COMPANY OF DELAWARE, UNITED STATES OF AMERICA.

Inventors: LEO ERNEST MANZER, (2) VEIJIYUR NOTT MALIKARJUNA RAO, (3) RICHARD T. ROCKWELL, (4) MICHAEL ANDREW SISK, (5) EDWIN JAMES WARWAS (6) WINTERINGHAM.

Application No. 609/Cal/89; filed on 27th July 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

#### 11 Claims

A process for the separation of a mixture comprising hydrogen fluoride and at least one of 2, 2-dichloro-1, 1, 1-trifluoroethane and 2-chloro-1, 1, 1, 2-tetrafluoroethane and minor amounts of halogenated materials using a combination of phase separation and distillation, said process comprises the steps of:

condensing the mixture to a temperature from  $-80^{\circ}$  to  $40^{\circ}\text{C}$ , and a pressure from 0.10 MPa to 3.55 MPa, in a separation zone so that an organic phase comprising at least 85 mole percent of at least one of 2, 2-dichloro-1, 1, 1-trifluoroethane and 2-chloro-1, 1, 1, 2-tetrafluoroethane and less than 15 mole percent of HF is formed as the bottom layer in the separation zone and an acid phase comprising at least 93 mole percent of HF and less than 7 mole percent of at least one of 2, 2-dichloro-1, 1, 1-trifluoroethane, and

2-chloro-1, 1, 1, 2-tetrafluoroethane is formed as the top layer in the separation zone; and

either (i) removing the acid phase from the top of the separation zone and distilling it in a distillation column to produce a substantially pure HF fraction, or (ii) removing the organic phase from the bottom of the separation zone and distilling it in a distillation column to produce a substantially pure organic fraction, or both (i) and (ii).

FIG. 1

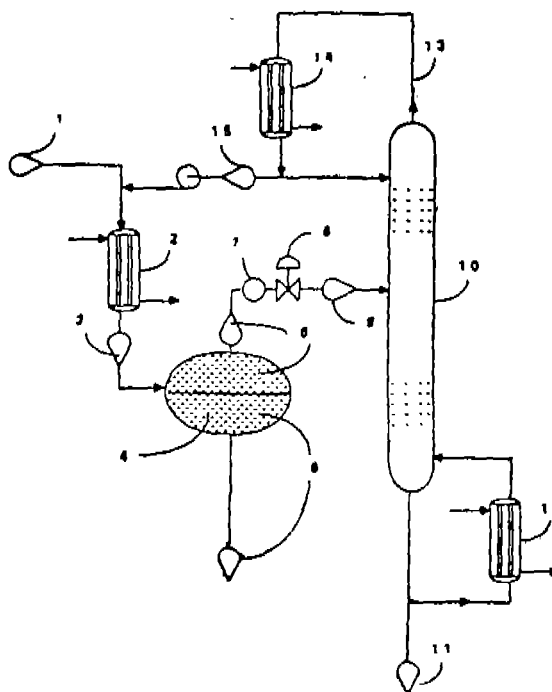
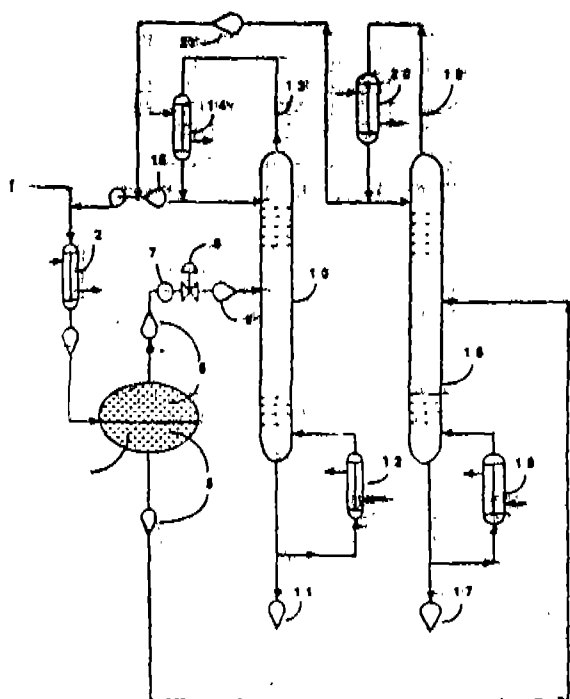


FIG. 2



(Compl. 23 pages.

Drgns. 2 sheets)

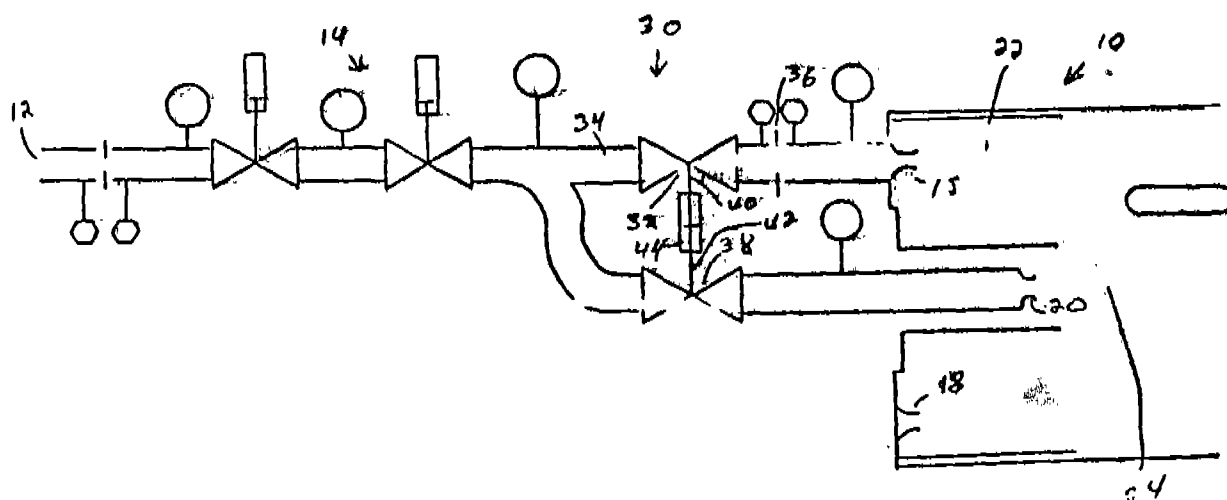
Cl.: 190 A,

172359

Int. Cl.: F 23 R, 3/00,

F 23 C, 1/00,

COMBUSTOR GAS FEED WITH COORDINATED PROPORTIONING.



(Compl. Specn. 14 pages.

Drgns. 3 sheets)

Cl.: 205 B

172360

Int. Cl.: B 60 C, 25/06.

TYRE HANDLING MACHINE

Applicant: STRAW PRODUCTS LIMITED OF JAY-KAYPUR-765017 RAYAGADA (ORISSA), INDIA.

Inventors: M. K. PATHAN.

Applicant: GENERAL ELECTRIC COMPANY OF RIVER ROAD, SCHENECTADY 5 NEW YORK, UNITED STATES OF AMERICA.

Inventors: (1) ROBERT JOSEPH IASILLO (2) STEPHEN (NMN) FERBOR.

Application No. 644/Cal/89; filed on 8th August 1989.

Appropriate Office for Opposition Proceedings (Rule Patent Rule 1972) Patent Office, Calcutta.

## 3 Claims

A gas fuel splitter for a combustor for a gas turbine engine, said combustor including at least one primary nozzle and a secondary nozzle, comprising:

a set of stop, speed-ratio and control valves feeding a controlled flow of said gas fuel;

a coordinated valve splitter assembly receiving said controlled flow;

said coordinated valve splitter assembly including a primary split valve feeding a portion of said controlled flow to said at least one primary nozzle;

said coordinated valve splitter assembly further including a secondary split valve in parallel with said primary split valve, and feed a remainder of said flow of said gas fuel to said secondary nozzle;

said primary split valve and said secondary split valve including first and second different valve trims; and

means for coordinating actuation of said primary split valve and said secondary split valve.

Application No. 694/Cal/89; filed on 24th August 1989.

Appropriate Office for Opposition Proceedings (Rule Patent Rule 1972) Patent Office, Calcutta.

## 10 Claims

A tyre handling machine comprising:

(a) movable carriage;



(b) a plurality of tyre holders mounted on said movable carriage for gripping a tyre, said holders being disposed in a spaced relationship to each other and so as to grip a tyre at different location;

(c) a shaft for rotatably supporting said tyre holders,

(d) a first displacement means mounted on said carriage for allowing the holders to be displaced along the vertical axis so as to allow a raising or lowering of a tyre; and

(e) a second displacement means mounted on said carriage so as to angularly displace the tyre.

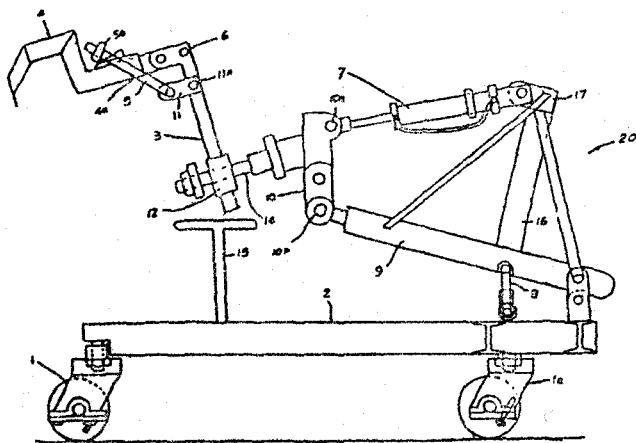


Fig 1

Compl. Specn. 12 pages

Drgns. 2 sheets)

#### CLAIM UNDER SECTION 20(1) OF THE PATENT ACT

The Claim made by FABRIQUE NATIONALE NOUVELLE HERSTAL under Section 20(1) of the Patent Act, 1970 to proceed the application for patent No. 170119 in their name has been allowed.

#### PATENT SEALED

ON 28-05-1993

170045\*D 170177 170242 170251 170319\*D 170321 170322 170351 170353 170362 170366 170367 170368\* 170384\* 170389 170458 170459 170539 170634 171261\*.

Cal—02, Mas—12, Del—05 & Bom—01.

\*Patent shall be deemed to be endorsed with the words "LICENCE OF RIGHT" Under Section 87 of the Patent Act, 1970 from the date of expiration of three years from the date of sealing.

D—Drug Patent, F—Food Patent.

Registration of Assignments Licences etc. (Patents)

Assignments Licences or other transaction affecting the rights of the original Patentee have been registered in the following cases.

156855—M/s. Naman Smokeless Fuel Industries Pvt. Ltd.

#### RENEWAL FEES PAID

150486 153241 153242 153429 153430 153624 153625 153753 154792 153877 154069 154299 154300 155136 155184 155208

155299 155303 155306 155307 155381 155382 155447 155597 155619 155635 156025 156126 156535 157112 157396 157483 157507 157521 157644 157732 157782 157868 157916 157993 158051 158095 158811 158837 158902 158931 159012 159019 159026 159041 159285 159316 159456 159675 159813 159927 159957 160066 160100 160161 160165 160201 160204 160293 160294 160295 160296 160297 160300 160334 160387 160478 160479 160560 160580 160582 160586 160753 160757 160759 160944 160945 160950 160951 161132 161544 161649 161821 161830 162097 162248 162358 162580 162627 162739 162740 162915 162933 163108 163181 163184 163187 163395 163445 163554 163581 163588 163590 164457 164487 164521 164529 164777 164962 165033 165035 165220 165311 165512 165515 165516 165527 165770 165894 165898 165899 166006 166007 166040 166097 166149 166188 166282 166284 166357 166359 166414 166451 166655 166734 166824 167003 167113 167666 167670 167734 167770 167920 167937 167955 167979 167997 168163 168165 168296 168305 168372 168613 168619 168620 168710 168791 168872 168873 169129 169137 169139 169147 169149 169150 169175 169186 169187 169189 169191 169193 169251 169255 169280 169380 169503 169581 169585 169746 169749 169898 169944.

#### OPPOSITION PROCEEDINGS

An Opposition has been entered by M/s. Lipton India Limited to the grant of a Patent Application No. 171544 made by Ashok Baran Guha and Tapan Banerjee.

#### REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entries is the date of registration of the designs included in the entry.

Class 1. Nos. 164974 to 164976. Khaitan (India) Ltd., Indian Company of 46C, J.L. Nehru Road, Calcutta-700071, W.B., India. "Table Fan". November 11, 1992.

Class 1. No. 165158. Surya Morphy Richards Ltd. of 1118, Maker Chambers, India. "Kettle". December 30, 1992.

Class 3. No. 164963. Abdul Aziz, Indian of Multi Products (India) at 1/11C, Muzzafarabad Hall, Proctor Road (Grant Road East), Bombay-40007, Maharashtra, India. "Coupler with tee". Nov. 11, 1992.

Class 3. No. 164946.—do—. "Combination elbow cap with sprout". November 11, 1992.

Class 3. No. 164965.—do—. "Coupler joint with tee". November 11, 1992.

Class 3. No. 164966.—do—. "Coupler joint with vertical tee". November 11, 1992.

Class 3. No. 164967.—do—. "Coupler joint with vertical tee". November 11, 1992.

Class 3. No. 164968.—do—. "Tee cap". November 11, 1992.

Class 3. No. 164969.—do—. "Elbow cap". November 11, 1992.

- Class 3. No. 164970.—do—. "Tee cap". November 11, 1992.
- Class 3. No. 164971.—do—. "Combination coupler with tee external angle". November 11, 1992.
- Class 3. No. 165157. Surya Morphy Richards Ltd. of 1118, Maker Chambers, V. Nariman Point, Bombay-400021, Maharashtra, India. "Kettle". December 30, 1992.
- Class 4. No. 165156. Surya Morphy Richards Ltd of 1118, Maker Chambers, V. Nariman Point, Bombay-400021, Maharashtra, India. "Kettle". December 30, 1992.

R. A. ACHARYA  
Controller General of Patents Designs  
and Trade Marks